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Submitted for form 1449/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/635,971
Sheet	1	of	3	Filing Date	August 6, 2003
				First Named Inventor	Watanabe <i>et al.</i>
				Group Art Unit	1644
				Examiner	Unassigned
				Attorney Docket Number	08841.105052 (PHA 2030)

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages/Relevant Figures Appear
		Number	Kind Code ² (if known)			
<i>AS</i>	AA	5,047,407		Belleau <i>et al.</i>	09-10-1991	
	AB	5,204,466	A	Liotta <i>et al.</i>	04-20-1993	
	AC	5,272,151	A	Marzi <i>et al.</i>	12-21-1993	
	AD	5,663,320	A	Mansour <i>et al.</i>	09-02-1997	
	AE	5,693,787	A	Mansour <i>et al.</i>	12-02-1997	
	AF	5,696,254	A	Mansour <i>et al.</i>	12-09-1997	
	AG	5,744,596	A	Mansour <i>et al.</i>	04-28-1998	
	AH	5,756,706	A	Mansour <i>et al.</i>	05-26-1998	
	AI	5,767,122	A	Chu <i>et al.</i>	06-16-1998	
	AJ	5,792,773	A	Chu <i>et al.</i>	08-11-1998	
	AK	5,852,027	A	Liotta <i>et al.</i>	12-22-1998	
	AL	5,922,867	A	Mansour <i>et al.</i>	07-13-1999	
<i>AS</i>	AM	6,215,004	B1	Painter <i>et al.</i>	04-10-2001	
<i>AS</i>	AN	6,358,963	B1	Nguyen-Ba	03-19-2002	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document DD-MM-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
<i>AS</i>	AO	BAUER, M., <i>et al.</i> , "Iodide catalysis of oxidations with dimethyl sulfoxide: a convenient two-step synthesis of α -diketones from α -methylene ketones," <i>J. Org. Chem.</i> , 40(13):1990-1992 (1975).	
<i>AS</i>	AP	BELLEAU, B., <i>et al.</i> , "Design and activity of a novel class of nucleoside analogs effective against HIV-1," <i>5th Int. Conf. on AIDS</i> , Montreal, Canada; June 4-9, 1989; Abstr. No. T.C.O.1. and Poster No. 4576.	

Examiner Signature	<i>AS</i> <i>Watanabe</i>	Date Considered	17 Sept 2004
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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<i>WJ</i>	BA	CHOI, W.-B., <i>et al.</i> , "In situ complexation directs the stereochemistry of N-glycosylation in the synthesis of oxathiolanyl and dioxolanyl nucleoside analogues," <i>J. Am. Chem. Soc.</i> , 113(24):9377-9379 (1991).
	BB	CHOU, T.-S., <i>et al.</i> , "A cyclization approach toward five-membered heteroaromatic o-quinodimethanes via fused-3-sulfolenes," <i>J. Chinese Chem. Soc.</i> , 44:299-307 (1997).
	BC	CORBET, A.H., <i>et al.</i> , "DAPD," <i>Curr. Opin. Investig. Drugs</i> , 2(9):348-353 (2001).
	BD	EVANS, C.A. <i>et al.</i> , "Divergent asymmetric syntheses of dioxolane nucleoside analogues," <i>Tetrahedron: Asymmetry</i> , 4(11):2319-2322 (1993).
	BE	GRESE, T. A., <i>et al.</i> , "General approach to halogenated tetrahydrofuran natural products from red algae of the genus <i>Laurencia</i> . Total synthesis of (±)-kumausallene and (±)-1- <i>epi</i> -kumausallene," <i>J. Org. Chem.</i> , 58(9):2468-2477 (1993).
	BF	GU, Z., <i>et al.</i> , "Mechanism of action and in vitro activity of 1',3'-dioxolanylpurine nucleoside analogues against sensitive and drug-resistant human immunodeficiency virus type 1 variants," <i>Antimicrob. Agents Chemother.</i> , 43(10):2376-2382 (October 1999).
	BG	GU, Z., <i>et al.</i> , "Anti-HIV-1 activities of 1,3-dioxolane guanine and 2,6-diaminopurine dioxolane," <i>Nucleosides Nucleotides</i> , 18(4&5):891-892 (1999).
	BH	HAMBALEK, R., <i>et al.</i> , "A short synthesis of (±)-oxetanocin," <i>Tetrahedron Lett.</i> , 31(38):5445-5448 (1990).
	BI	HANESSIAN, S., <i>et al.</i> , "Oxidation of alcohols with <i>N</i> -halosuccinimides -- new and efficient variants," <i>Synthesis</i> , 1981:394-396 (May 1981).
	BJ	HANN, R.H., <i>et al.</i> , "The structures of the diacetone dulcitol," <i>J. Am. Chem. Soc.</i> , 61:2432-2442 (1939).
	BK	HASKINS, W. T., <i>et al.</i> , "The isomeric 1,3- and 2,3-benzylidene-D-arabitol," <i>J. Am. Chem. Soc.</i> , 65(9):1663-1667 (September 7, 1943).
	BL	HOPKINS, M. H., <i>et al.</i> , "Stereocontrolled preparation of tetrahydrofurans from acid-promoted rearrangements of allylic acetals," <i>J. Am. Chem. Soc.</i> , 113(14):5354-5365 (1991).
	BM	KIM, H.-O., <i>et al.</i> , "L-β-(2S,4S)- and L-α-(2S,4R)-dioxolanyl nucleosides as potential anti-HIV agents: Asymmetric synthesis and structure-activity relationships," <i>J. Med. Chem.</i> , 36(5):519-528 (March 5, 1993).
	BN	KORNBLUM, N., <i>et al.</i> , "A new and selective method of oxidation. The conversion of alkyl halides and alkyl tosylates to aldehydes," <i>J. Am. Chem. Soc.</i> , 81:4113-4114 (August 5, 1959).
<i>WJ</i>	BO	KRAUS, J.-L., <i>et al.</i> , "Synthesis of new 2,5-substituted 1,3-oxathiolanes. Intermediates in nucleoside chemistry," <i>Synthesis</i> , 1991:1046-1048 (November 1991).

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<i>WJ</i>	CA	MARSHALL, J. A., <i>et al.</i> , "Stereoselective total synthesis of the pseudopterolide kallolide A," <i>J. Org. Chem.</i> , 63(17):5962-5970 (1998).
<i>WJ</i>	CB	MEWSHAW, J.P., <i>et al.</i> , "Dioxolane guanosine, the active form of the prodrug diaminopurine dioxolane, is a potent inhibitor of drug-resistant HIV-1 isolates from patients for whom standard nucleoside therapy fails," <i>J. Acquir. Immune Defic. Syndr.</i> , 29(1):11-20 (January 1, 2002).
<i>WJ</i>	CC	NORBECK, D. W. <i>et al.</i> , "A new 2',3'-dideoxynucleoside prototype with <i>in vitro</i> activity against HIV," <i>Tetrahedron Letters</i> , 30(46):6263-6266 (1989).
<i>WJ</i>	CD	OHLE, H., "Die Benzoylierung des Erythrits und Darstellung von Derivaten des O-Benzoyl-glykolaldehyds," <i>Chem. Ber.</i> , 74(2):291-294 (1941).
<i>WJ</i>	CE	SHIAO, M.-J., <i>et al.</i> , "A convenient synthesis of protected α -hydroxyacetaldehydes," <i>Synthetic Commun.</i> , 18(4):359-366 (1988).
<i>WJ</i>	CF	SHEIKH, M.Y., "The vapor phase oxidation of alcohols by cupric oxide. A convenient preparation of aldehydes and ketones," <i>Tetrahedron Lett.</i> , 1972(4):257-260 (1972).

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